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LabChemistry_IS2_20160413_Camera2_Seg02.pdf

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Setting:

Participants: S1 (female, off screen 0:00) IS2 (male, wearing a black mic), S2 (male, black shirt, white lab coat,), S3 (red shirt, lab coat, female), S4 (female off screen 6:49), S5 (female, short hair, in front of camera 10:15), S6 (white male, mostly off screen @ 11:02), S7 (not sure if female/male, off screen @11:35), S8 (female, short ponytail, barely seen on camera @13:29), S9 (off screen, male. 15:30), S10 (female, off screen 15:39), s10 (male, off screen 16:20), S12 (male, shoulder length hair, stands next to S8), S13 (female, tall, wavy hair, 17:25), S14 (Asian male, back towards camera, 18:29), S15 (white male, white shirt 18:33), S16 (off camera, female, 19:57), S17 (male, off screen 22:51), S18 (male, beard, standing next to where S5 originally stood, in front of camera), S19 (gender unknown, 25:28 off screen), S20 (male, sideburns and beard, 26;16), S21 (white female student, hood behind lab coat), S22 (female off screen 29:36) S23(female off screen 30:21), S24 (female, red shirt, purple gloves, ponytail 31:28)

0:00

XXX S1: how're you doing?
XXX IS2: mm:
XXX S1: how are you?
XXX IS2: yea
XXX I'm good
XXX how are you?
XXX S1: I'm good
XXX I'm just setting up while I wait
XXX you know what I mean?=
XXX IS2: =>yea yea yea<
XXX just (.) don't waste the time,
XXX yea it's good
XXX S1: yea,
XXX IS2: ((slightly laughs))
XXX S1: this is broken
XXX this one is so bad
XXX IS2: ok
XXX press (.) the other (side)
XXX and the
XXX yea
XXX and press them
XXX ((incomprehensible, video is crackly))
XXX uh:
XXX S1: ok

XXX IS2: yea
XXX so: you
XXX S1: oh
XXX IS2: >yea yea yea< just like last one,
XXX ((audio cuts out))
XXX IS2: tight?
XXX S1: tighten?
XXX IS2: tighten?
XXX S1: tighten
XXX IS2: yea yea
XXX and then get this,
XXX you know=
XXX S1: =yea
XXX IS2: so how- how- [do you-
XXX S1: [oh my god ((laughs))
XXX IS2: you cannot do this
XXX S1: it got caught (.) look
XXX IS2: ok (.) yea
XXX (just do it)°
XXX S1: maybe I'll get a different one
XXX IS2: ok
3:00
XXX ((no dialogue until 3:42))
XXX IS2: hello (Andrew)
XXX how are you
XXX S2: good good how are you=
XXX IS2: =how's- how's your last week
XXX S2: it was ok
XXX it's just (.) tiring
XXX IS2: tired?
XXX S2: yea
XXX IS2: ((chuckle))
XXX S2: what about you
XXX IS2: I: just finished my: midterm
XXX S2: oh yea?
XXX IS2: yesterday
XXX S2: how was that?
XXX IS2: it was extre::mly
XXX you know
XXX difficult
XXX ((both laugh))
XXX S2: oh: man
XXX IS2: I (.) so
XXX so uh: (.1)
XXX yea because this is second part ((sounds like pass))

XXX S2: [alright
XXX IS2: [the first part is very
XXX you know
XXX easy [but
XXX S2: [right
XXX IS2: who knows
XXX the second part you know
XXX S2: ((incomprehensible))
XXX IS2: totally
XXX you know
XXX changed
XXX S2: that's crazy
XXX IS2: [um
XXX S2: [how many midterms do you have?
XXX in total
XXX IS2: (terms)
XXX S2: [yea
XXX IS2: [I have two midterms,
XXX and one final.
XXX S2: oh ok=
XXX IS2: =and this is my second term
XXX and then (.) the final
XXX S2: oh ok
XXX it's not so bad
XXX IS2: yea
XXX [a-
XXX S2: [so
XXX IS2: do: do sometimes we have more than (.) two, midterms,
XXX S2: yea sometimes
XXX IS2: sometimes
XXX S2: it depends on the class
XXX it depends on who's teaching it
XXX ((pause))
XXX (are you looking for it)
XXX ((pause))
XXX IS2: is this too small?
XXX S2: nah nah [it's good
XXX IS2: [ok
XXX oh >yea yea yea< you have a small (.) one°
XXX ((pause))
6:00
6:31
XXX IS2: ((walks on screen and towards S3))
XXX so far so good,
XXX S3: ((nods))

XXX IS2: ((walks away, off screen))
XXX ((pause))
XXX S4: can you help me with (something,)
XXX I forgot how to (.) put this on=
XXX IS2: =((unclear)) (vac filtration?)
XXX S4: yea
XXX IS2: ok
XXX so: (.)
XXX uh:
XXX this is a:: (.)
XXX and y- y- you need another: uh flask?
XXX as a trap, (.2)
XXX so yea
XXX ((pause))
XXX ((incomprehensible, audio crackly))
XXX vacuum:: filtration
XXX where is the vacuum filtration?
XXX S4: I couldn't find it but I think it's in the
XXX ((incomprehensible, audio cracking)) somewhere
XXX because I saw it over there
XXX IS2: uh:: lemme- lemme see
XXX it should be
XXX ((pause))
XXX S4: ((incomprehensible))
XXX um: (.) let's see°
XXX it isn't crystallization (.1)
XXX yea like
XXX ((pause until 7:55))
XXX IS2: here (.1)
XXX so: yea (.2)
XXX you have a funnel?
XXX S4: yea
XXX IS2: so: (.1)
XXX you need this, clamp (.1)
XXX basically just (let) this one,
XXX so this is one part
XXX and also you need a:
XXX S4: another ((incomprehensible))
XXX IS2: another (.) one
XXX S4: is that ok?
XXX IS2: it's ok
XXX u:m
XXX S4: (I have it) ((inaudible; based on context))
XXX oh you have this one?
XXX ok

XXX it's ok that's-
XXX so: you have two tubes.
XXX so one is for the: (.2)
XXX so you (connect) (.) here (.1)
XXX to here
XXX S4: mhm
XXX IS2: and then you have here,
XXX S4: [ok
XXX IS2: [to here
XXX ok°
XXX and uh
XXX for here
XXX [so when you do the vacuum
XXX S4: [((incomprehensible))
XXX IS2: you need to bend them and the:
XXX you [have the:
XXX S4: [(here)
XXX yea
XXX IS2: what do you call that?
XXX S4: the clip? (.)
XXX the clamp?
XXX IS2: yea
XXX just extra: clamp it down
XXX so (.) during the:
XXX because (.) after you do the filtra- uh:
XXX filtration first you need to use water to wash the:
XXX precipitate right,
XXX so (.) before you add the (.)
XXX one (.) portion of the water,
XXX so l- just get out of this,
9:00
XXX because
XXX so
XXX when you get out this
XXX there's no vacuum inside the whole system
XXX S4: mhm
XXX IS2: then (.) you add the water
XXX then (.) get this on.
XXX and let the vacuum on,
XXX so (.) the water will (.) you know (.)
XXX go out very quickly
XXX S4: ok
XXX IS2: yea
XXX do you know what I mean?
XXX S4: yea: (I'll try it)

XXX (.3)
XXX IS2: because if you have this (.)
XXX you have the vacuum right?
XXX [you
XXX S4: [and then you open it then you break it?
XXX IS2: yea
XXX you open this (.) then you break the vacuum,
XXX then add the (.) add the water
XXX S4: hold on
XXX IS2: yea
XXX S4: so break it and then add the water?
XXX IS2: add the water
XXX so:
XXX we- we have to use a: sixty mil water to wash the:
XXX S4: yea [((incomprehensible))
XXX IS2: [fil- uh
XXX to wash the::
XXX S4: precipitate
XXX IS2: to pres- it- uh- yes
XXX >precipitate<
XXX but don't (.) don't use the (.2) all of them
XXX uh: one time
XXX use (.) uh separate (.)
XXX separate ((or several)) times,
XXX S4: ok
XXX IS2: and then: uh so:=
XXX S4: =so I just put filter paper in it?
XXX right now?
XXX IS2: yes sure
XXX S4: do you know where that is?
XXX IS2: the smaller one yea
XXX ((pause, IS2 seen walking on screen, watches S5))
XXX oh
XXX no no no
XXX so: the thing is not attached here ((points))
XXX attach here ((points elsewhere))
XXX S5: oh there
XXX got it
XXX IS2: ((pause, IS2 watching S5))
XXX and also:
XXX you need this, ((picks something up and gives it to S5))
XXX so
XXX when you put the funnel on here,
XXX you need this to connect that
XXX S5: ok

XXX thanks
XXX ((IS2 walks away))
XXX S6: ((incomprehensible, asks question))
XXX ((S6 not visible but IS2 is))
XXX IS2: yea (.) so:
XXX when you put the funnel,
XXX ((pointing inside where S6 is working))
XXX you need a:
XXX you know
XXX how to say (.) a rubber?
XXX S6: yea
XXX IS2: (.1) yes just like this
XXX S6: (thank you)
XXX IS2: mhm
XXX ((IS6 on camera for a moment working where IS2 pointed))
XXX ((IS2 seen walking away))
XXX ((pause))
XXX S7: what if this fills up? (.1)
XXX for (.) before I'm done?
XXX do you think it will?
XXX IS2: wh- what?
XXX sorry,
XXX S7: do you think this is- the funnel's gonna fill up? (.1)
XXX before I'm done pouring?=
XXX IS2: =uh
XXX these are all the (.) water come here,
XXX S7: um: no not [yet
XXX IS2: [ok
XXX S7: not yet
XXX IS2: oh
XXX yea ok
XXX so: (.3)
XXX y- y- you need to press them,
XXX and you ne- can- you can uh: let this completely uh
XXX off,
XXX so
XXX yea°
12:00
XXX ((pause))
XXX IS2: you can (.) so:
XXX if you're not sure you just g- ((audio cuts off))
XXX to press them
XXX S7: ok
XXX IS2: and uh
XXX so

XXX after you finish them
XXX use water to wash them.
XXX S7: ok (.) yea
XXX IS2: so: but still a- uh
XXX when you pour all of them into (it still)
XXX you have something,
XXX you know inside your
XXX you can wash the water to wash them [and
XXX S7: [yea
XXX IS2: (pour them)
XXX S7: yea
XXX ((pause; no dialogue until 13:09))
XXX ((IS2 seen walking on camera to S8))
XXX S8: should I stir this?
XXX IS2: (.2) did you add the water?
XXX S8: no
XXX IS2: yea
XXX you need to add water to dilute them
XXX and (.) do the filtration
XXX ((pause, IS2 walks away, towards S5))
XXX S5: the vacuum is this one right?=(touches knob)
XXX IS2: =yes
XXX just let it (.) completely off,
XXX ((S5 moving knob slowly))
XXX as much as possible,^o
XXX ((S5 moving slowly))
XXX yea ((motions to turn knob more))
XXX keep (.) go on
XXX ((S5 looks at IS2 warily))
XXX let it completely on,
XXX ((turns knob himself))
XXX like this^o
XXX S5: ok ((looks amused))
XXX ((IS2 turns knob all the way))
XXX [ok
XXX IS2: [and uh
XXX when you do your filtration
XXX so:
XXX if the water come out very slowly
XXX so (.) just press the funnel
XXX S5: (press yea) ((nods))
XXX IS2: this funnel ((points))
XXX S5: yea
XXX IS2: yea
XXX so:

XXX all you need to do is just make sure your product is: as
(.)
XXX dry as possible
XXX S5: ok
XXX IS2: yea just press them, and
XXX so after you pou-
XXX um transfer all of them into the funnel,
XXX so you can use the (.) water to wash the flask
XXX S5: [yea
XXX IS2: [because you still have some you know
XXX sodium ((solid?)) remaining in the
XXX in the flask
XXX S5: ok
XXX IS2: yea°
XXX S5: thank you
XXX IS2: ((walks away off screen))
XXX ((pause))
XXX yea (.3)
15:00
XXX just let it (.) completely on,
XXX let the vacuum on,
XXX yea just (.2) because you won't get the
XXX you know
XXX the maximum vacuum
XXX ((pause))
XXX yea good
XXX what's this?
XXX S9: uh it just helps-
XXX it says it's for (.2) filtering (back)
XXX IS2: oh yea
XXX S9: (to add) mass to it,
XXX IS2: ok it's the same,
XXX S9: (it says it gets better)
XXX S10: is this on?
XXX IS2: yea this on?
XXX S10: yea,
XXX ((pause))
16:13
XXX IS2: no (.) here
XXX so:
XXX th- the fir- th- th- the top is the:
XXX water
XXX S11: oh ok
XXX IS2: the (.) the middle one is the: vacuum
XXX S11: ((makes noise))

XXX IS2: ((chuckle))
XXX it doesn't matter
XXX yea
XXX so: and (.) the- here
XXX S11: [yea
XXX IS2: [so this is for the: top one,=
XXX S11: =yea=
XXX IS2: =for the water and just this one,
XXX so when you w- want the vacuum just let it completely on,
XXX S11: [ok
XXX [just (.) make sure you have the maximum
XXX ((pause, IS2 seen walking in from back))
XXX ((stops at station))
XXX so let the-
XXX did you the vacuum (.) the faucet,
XXX completely on?
XXX here (.3)
XXX just let it completely on
XXX so you can get a higher vacuum
XXX S8: oh
XXX IS2: is it much quicker?
XXX much faster right?
XXX ((walks to S12))
XXX yea just let it completely on,
XXX yea
XXX press (.) the funnel
XXX ((pause, walking away from S12))
XXX did you wash the: flask?
XXX S13: like nothing else is coming out
XXX IS2: ok even though you have this?
XXX S13: (.3) [yea
XXX IS2: [so you can u-
XXX you can use spatula to: scratch them,
XXX S13: ok=
XXX IS2: =and transfer: it,
XXX because you want a-
XXX you know
XXX S13: yea
XXX ((audio cracks))
XXX ((IS2 walks away, observes other students work))
XXX ((walks to S14))
18:00
XXX IS2: so: this is only the transfer step,
XXX ((pointing at work done by S14))
XXX S14: huh?

XXX IS2: did you wash the: flask with the water?
XXX S14: yea I'm doing that now
XXX IS2: oh ok yea
XXX so after you wash the:
XXX flask,
XXX transfer it into the funnel, and then
XXX use the: (.) another t- uh six mil to wash the:
XXX precipitate
XXX S14: ok
XXX ((IS2 nods, walks away))
XXX S15: excuse me
XXX IS2: yea
XXX S15: is it supposed to: like glob up like that?
XXX ((incomprehensible))
COM IS2: so:
COM w- w- what's your problem?
XXX S15: so ((picks up glass))
XXX like (.) obviously this is [(kind of congealed,)
XXX IS2: [oh you have
XXX S15: so I have to put this in there,
XXX IS2: oh:
XXX no
XXX so (.) you added water inside already right?
XXX S15: n:ot yet
XXX IS2: no you should add water
XXX before you do the filtration
XXX S15: oh you mean like the original sixty mil?
XXX IS2: yea
XXX S15: yea
XXX IS2: you added already
XXX but still h- here it's dry right?
XXX S15: yea
XXX IS2: oh you can add another you know
XXX twenty or th- thirty mil of water
XXX S15: ok=
XXX IS2: =but make sure it is dilute
XXX because
XXX in this way
XXX so fr- here
XXX it's kind of (.) you know
XXX hard to transfer all of them
XXX S15: yea:=
XXX IS2: =you need to transfer the: solution
XXX the- the solid
XXX S15: ok=

XXX IS2: =so:
XXX just add extra
XXX you know
XXX sixty- ah not sixty
XXX uh thirty
XXX ((S15 nods))
XXX so: yea
XXX and transfer them
XXX S15: alright
XXX thanks
XXX ((IS2 leaves, goes off camera))
XXX ((pause))
XXX IS2: so: you can use the spatula, to scratch (.) the inside
XXX S16: ok=
XXX IS2: =yea
XXX ((pause))
XXX S16: does this need a bigger spatula?°
XXX IS2: hm?
XXX S16: does this need a bigger spatula?
XXX IS2: (.2) big one right?
XXX S16: huh?
XXX IS2: you mean [this b- big spatula?
XXX S16: [yea yea yea
XXX wait what
XXX I don't know I'm asking do you have one
XXX cause I don't know if you can reach the (.)
XXX bottom of your thing with that
XXX over there
XXX IS2: yea y- use the big one (.2)
XXX cause that one's too short
XXX ((pause))
XXX ((IS2 walking around, checking people))
XXX ((checks up on S13))
XXX so far so good?=
XXX S13: =um
XXX yea
XXX like (.1) it doesn't wanna
XXX like
XXX should I take out the solid and put a new (.)
XXX filter paper?=
XXX IS2: =uh=
XXX S13: =cause I don't know what (.1)
XXX [yea it's a lot
XXX IS2: [((unclear))
XXX it's a lot right?

XXX S13: yea
XXX IS2: are you think it is almost full?
21:00
XXX S13: yea
XXX it's almost full
XXX IS2: yea you can (half).°
XXX if it is too much
XXX ((incomprehensible, video cracks))
XXX but but
XXX if you transfer them
XXX S13: [see?
XXX IS2: [before you transfer them,
XXX you need to press them
XXX maybe to dry
XXX S13: [alright
XXX IS2: [because
XXX >yea because< after you transfer them (.1)
XXX bu:t y- you still need to:
XXX **dry them↓ right?**
XXX S13: yea
XXX IS2: so if you want to:
XXX uh transfer:
XXX for two parts (.) right,
XXX uh you need to dry them first,
XXX S13: [uh-huh
XXX IS2: [so
XXX how to dry
XXX just use a:
XXX just put a one uh filter paper o- on top
XXX S13: uh-huh
XXX [and press it down
XXX IS2: [and (.) just use a beaker,
XXX and (.) so
XXX o- once it is (.) completely dry,
XXX and uh it is just like you know a uh- uh: sand,
XXX S13: [yea
XXX IS2: [so
XXX you can just (>transfer them and<) (.) do the next uh:
XXX [finish the next part
XXX S13: [ok
XXX gotcha
XXX IS2: but I think (.1)
XXX yea you can (.) yea [I mean
XXX S13: [yea it's- it's wet
XXX see?

XXX IS2: yea it's still very wet
 XXX S13: yea (.) uh: [ok
 XXX IS2: [but:
 XXX yea you can transfer it for two (parts) but
 XXX I think (.) so for one part it's: it's good
 XXX S13: ok
 XXX should I just [(pour this thing out?)
 XXX IS2: [uh when- when y- when you press the:
 XXX no
 XXX just do here
 XXX S13: ok
 XXX IS2: let- let the vacuum on
 XXX wh- when you press-
 XXX when you use the beaker to press the solid,
 XXX let the vacuum on,
 XXX S13: mhm
 XXX [yea
 XXX IS2: [do you know what that mean?
 XXX S13: what?
 XXX IS2: oh
 XXX so: (.1)
 XXX uh:
 XXX th- there's no (vacuum) already
 XXX right?=
 XXX S13: =yea
 XXX yea=
 XXX IS2: =so:
 XXX if you want let the vacuum off,
 XXX so: normally just don't let it o- let if [off,
 XXX S13: [yea
 XXX [uh-huh,
 XXX IS2: [so just let it
 XXX S13: just pinch [((incomprehensible))
 XXX IS2: let it- [just pinch them=
 XXX S13: =yea=
 XXX IS2: =before you (.) co- uh: turn off here=
 XXX S13: =uh-huh
 XXX IS2: so: yea
 XXX S13: gotcha
 XXX IS2: uh::
 XXX yea so::
 XXX just (.) so right now you need to press them,
 XXX and let the vacuum on,
 XXX and uh >use a beaker to press them<
 XXX so as long as it is (.) uh dry

XXX you can finish (.) this one
XXX S13: ok
XXX alright
XXX I gotcha thank you
XXX IS2: mhm
XXX ((pause))
XXX oh you still have a lot right?
XXX S17: I don't- am I getting enough suction here?
XXX because it's going uh very (.1) slowly
XXX IS2: oh it's ((incomprehensible audio crackly))
XXX ((pause))
XXX IS2: see?
XXX S17: alright
XXX thank you
XXX IS2: just press them.
XXX let it completely on,
XXX ((23:46))
XXX did you wash them?
XXX S17: yea I washed it once
XXX IS2: ((incomprehensible)) once?
XXX S17: yea
XXX IS2: but still have a lot right?
XXX S17: yea
XXX IS2: so:
XXX you can use a spatula.
XXX use a large one.
XXX don't use small one
XXX ((pause))
24:00
XXX yea (.) that one
XXX so: just try your best to get s- get as much as possible
out
XXX and (.) if you: cannot get them
XXX just
XXX I think this is enough
XXX S17: yea
XXX IS2: bu:t
XXX S17: ((incomprehensible))
XXX IS2: yea yea but
XXX because we need to maximize your yield
XXX your yield we need to you know (.2)
XXX to: grade them based on your yield,
XXX so yea
XXX yea it doesn't matter
XXX so:

XXX so theoretically
XXX so the book said we only use sixty mil water
XXX but you can use as much as possible just wash it off
XXX just transfer all of them
XXX you know what I mean?
XXX S17: yea
XXX IS2: yea just w- wash them and the:
XXX use the s- use the spatula to scratch them
XXX and just fill up you know the solution (.)
XXX in the funnel.
XXX ((pause))
XXX ((IS2 seen walking on screen and around))
XXX ((walks and starts turning knob, faces S15))
XXX just let it completely on,
XXX S18: ok
XXX IS2: should be very fast,
XXX S18: alright=
XXX IS2: =and press the funnel
XXX because you just let it go if [you
XXX S18: [even right now?
XXX even right now?=
XXX IS2: =no
XXX use your hand↑ (.) to press here
XXX ((puts hand into workspace area))
XXX ((S5 comes and partially blocks screen))
XXX S18: oh ok
XXX IS2: so the water will come fast=
XXX S18: =yea
XXX ((IS2 walks away, turns knobs for people))
XXX ((pause))
XXX IS2: just (.) press them ((to S16 who cannot be seen))
XXX yea (.2)
XXX it just (the) water (.1)
XXX just like
XXX it's lot like the water right?
XXX S19 mm
XXX IS2: (it look like the)
XXX ((pause))
XXX yea it's ok
XXX S19: (when I'm done can I wash this-)
XXX IS2: yea
XXX sure sure
XXX just use as much as water to wash them
XXX because if it is solid cannot try (.) transfer them right?
XXX completely

XXX yea just with water, ((walks away to check S14))
XXX ((IS2 walks away))
XXX ((led back with S20))
XXX yea
XXX S20: ((incomprehensible))
XXX is that product?
XXX or is that water?
XXX IS2: no just water
XXX so if (.) if it is product
XXX you can saw them just like solid
XXX it's not like this one.
XXX S20: ok
XXX IS2: yea
XXX cause a- after you see
XXX it is in water just (.)
XXX S20: yea (do I have to) [transfer it
XXX IS2: [no (.) no no no
XXX nothing right?
XXX S20: yea
XXX ok
XXX IS2: yea°
XXX S20: thank you
XXX ((IS2 walks away))
27:00
XXX ((walks around for a minute, stops at student S21))
27:40
XXX IS2: did you get a stir bar?
XXX S21: excuse me?
XXX IS2: uh did you get a stir bar for next step?
XXX I mean you finish the first step already [right?
XXX S21: [yea
XXX I-
XXX IS2: I mean- so when you do the first step- next step
XXX S21: mhm,
XXX IS2: go to the stockroom,
XXX and get a hot plate,
XXX S21: ok
XXX IS2: and also a stir bar.
XXX S21: a stir bar?
XXX ok=
XXX IS2: =yea
XXX just put a stir bar in- in a rbf,
XXX and (.) you know ((makes stirring motion))
XXX S21: ok
XXX I'll do that

XXX thank you
XXX IS2: ((nods and walks away, comes back))
XXX oh btw your (plug) ((plate?)) is extremely dry
XXX yea it's good?
XXX S21: yea yea [it's (.) it was extremely [dry
XXX IS2: [yea
XXX [yea it's (.)
XXX good job
XXX S21: ((incomprehensible))
XXX IS2: ((walks away, observes other students and stops at S5))
XXX so uh:
XXX by the way
XXX do not use too much pre- uh: force
XXX S5: [yea
XXX IS2: [because it will-
XXX S5: break the beaker, ((chuckle))
XXX IS2: yea just broke the:
XXX S5: ok yea
XXX IS2: the paper,
XXX and uh um:
XXX S5: so is [that good?
XXX IS2: [yea
XXX S5: I've been doing it for like
XXX ((pause)) ((looking to the side))
XXX three minutes,
XXX IS2: did you press them for three minutes already?=
XXX S5: =yea
XXX IS2: ok
XXX [two more minutes
XXX S5: [((incomprehensible))
XXX ok
XXX ((IS2 walks away, off screen))
XXX S17: I think it's been five minutes
XXX IS2: you pressed them for five minutes?=
XXX S17: =yea
XXX IS2: oh it's good (.) [yea just-
XXX S17: [so I should get a filt- (.)
XXX uh (.) weighing paper right?
XXX IS2: yea just get a large [weighing paper,
XXX S17: [so:
XXX I can just go in and grab a [((incomprehensible))
XXX IS2: [I th- I think it's not
XXX the large one
XXX yea um
XXX lemme see if I can ((incomprehensible))

XXX ((pause))
 XXX do you have the: large weighing paper?
 XXX ((sounds like weighting/wetting))
 XXX S22: do [we need to get some from stockroom?
 XXX IS2: [no
 XXX S22: the weighing paper?
 XXX IS2: [just-
 XXX S22: [it's by the-
 COM IS2: in a- in a balance?
 XXX S22: huh?
 COM IS2: just use the ba: uh:
 COM >the- the- the weighing paper inside< the balance?
 XXX S22: yea
 XXX IS2: ok
 XXX (.3)
 XXX S22: ((inaudible))
 XXX ((incomprehensible)) paper towels around it
 XXX IS2: oh yea y- that's cool
 XXX yea good°
 XXX S22: yea
 XXX ((pause))
 30:00
 XXX IS2: much faster right?
 XXX S23: yea
 XXX IS2: do you know why? (.2)
 XXX just let the vacuum (.1) completely on
 XXX S23: ((student heard slightly, incomprehensible))
 XXX IS2: (.2) yea here
 XXX so:
 XXX before I (.) came here you just let this one.
 XXX S23: oh ok
 XXX IS2: just let it you know=
 XXX S23: =because
 XXX it move so slow t- (.) before so I (.) open it
 XXX no I open large ((laughs))
 XXX IS2: yea if you up- open th- this large,
 XXX S23: yea=
 XXX IS2: =it should be much faster
 XXX S23: yea [beca-
 XXX IS2: [but you
 XXX [did you
 XXX S23: [be-
 XXX because it's so slow
 XXX so I want to (.) it move faster=
 XXX IS2: =>yea yea yea<

XXX S23: so I mov-
 XXX IS2: when you- when you do the vacuum filtration every time (.)
 XXX just let it completely on
 XXX S23: complete on?=
 XXX IS2: =yea
 XXX S23: oh ok
 XXX (.2) [so
 XXX IS2: [so
 XXX uh
 XXX nothing is (.1)
 XXX uh after you fini-
 XXX after you transfer all of them
 XXX you still some-
 XXX something remaining in the: flask
 XXX just use cold the water wash them
 XXX S23: [so:
 XXX IS2: [and uh
 XXX S23: (since) this is on
 XXX IS2: yea this is on now
 XXX th- because (.)
 XXX still you need to press them (.) yea
 XXX uh (.)
 XXX you can use the water.
 XXX cold water wash the rbf
 XXX uh not rbf the: [flask
 XXX S23: [flask
 XXX IS2: uh-huh
 XXX ((pause))
 XXX ((seen walking around on camera, stops at S24's space))
 XXX ((S24 looks at IS2 to see what he's doing))
 XXX **just let it completely on↑ and th- the vacuum**
 XXX should be maximized
 XXX S24: ((nods))
 XXX IS2: the water will dry very
 XXX you know [(.) fast
 XXX S24: [((nods))
 XXX mm:
 XXX uh yea
 XXX ((incomprehensible))
 XXX IS2: uh-huh,
 XXX ((IS2 walks around other students))
 XXX ((pause, off screen))
 XXX did you weigh the: rbf?
 XXX ((pause))
 XXX dry?

XXX S7: u:m it's a little wet but I can dry it I think
XXX IS2: yea just use the you know
XXX S7: spatula
XXX IS2: (.3)
XXX you press them
XXX right?
XXX use a beaker fo-
XXX ((pause))
XXX ok it-
XXX where's the: (.) weighing paper? (.2)
XXX inside right?
XXX [ok just
XXX S7: [I don't (.)
XXX [yea this one
XXX IS2: [>this is weighing paper<
XXX don't let it
XXX you know
XXX break into pieces
XXX just mix them with the product
XXX S7: ok=
XXX IS2: =let it completely
XXX you know
XXX one part
XXX S7: ok
33:00
XXX IS2: mm:
XXX you can so:
XXX if you want to you can ((audio cracks))
XXX ((incomprehensible))
XXX put two weighing pap-
XXX uh two (.) weighing paper↑ together and use towel to-
XXX ((audio cracks, incomprehensible))
XXX S7: ok
XXX IS2: yea
XXX just- the first thing you need just get the
XXX weighing- uh filter paper out,
XXX just don't mix them together.
XXX ((pause))