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LabChemistry_IS2_20160413_Camera1_Seg08.pdf

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Setting: lab - hard to distinguish voices
Participants: IS2 (male), S1 (female, short black hair), S2 (black
attire female), S3 ((off screen, male)), S4 (white male) S5 (female,
long black hair), S6 (off screen, female), S7 (off screen, female), S8
(off screen, female), S9 (female, medium length black hair), S10
(female, hair tied back), S11 (male, comes in at 10:14), S12 (female,
around 10:10, standing by glass), S13 (male, off screen@13:00), S14
(male, off screen@13:22), S15 (off screen female @13:55)

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0:00
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XXX S1:	what?=
XXX IS2:	=>for the beta carotene?< ((towards S2))
XXX	that's this one ((points at thing S2 is holding))
XXX S1:	this one°=
XXX IS2:	=this one=
XXX S1:	yea°
XXX	((S2 walks off))
XXX	((everyone walks off screen))
XXX S3:	first I put it (heh)
XXX	so I have to put it ((unclear))
XXX IS2:	uh yea
XXX	but
XXX	yo- you know
XXX	(to)- after it is
XXX	after solid dissolved
XXX	so:
XXX	the stir bar will stir
XXX	you know very free- freely.
XXX S3:	ok (.)
XXX IS2:	yea=
XXX S3:	=so-
XXX IS2:	because the- the stir bar is (.) trapped in the- in the
foil	
XXX	it won't stir
XXX	very hard for them (.) to stir
XXX	((all off screen, cannot see))
XXX	((pause))
XXX IS2:	((yawns))
XXX S3:	how fast should we have the stirrer set to?
XXX IS2:	oh so (.)
XXX	at first you don't need to let it (.)
XXX	just (.) let it in the middle,

Ethno Studies LabChemistry IS2 20160413 Camera1 Seg08

XXX S3: ok XXX IS2: and uh: XXX when- when the- when uh-XXX when this becomes (.) a clear solution XXX SO because at right now you cannot see the stir bar stir XXX XXX even though you put in the maximum XXX because the stir bar in the- in the solid is trapped in the XXX solid XXX so after- after it is (.) bec- after it becomes clear XXX XXX I mean the solution becomes clear, and uh (.) I think s- middle is- is fine XXX XXX S3: ok= XXX IS2: =but XXX if- if you cannot see XXX you know the stir bar stirring XXX just let it XXX XXX you know XXX let it-XXX increase the: XXX S3: ok XXX IS2: yea XXX S3: thank you XXX ((pause)) XXX IS2: and also so XXX w-w-what do you call (.) this? XXX S3: this? XXX IS2: yea XXX S3: we call it like a dial XXX IS2: dial, ((repeats)) XXX S3: dial XXX IS2: dial? XXX S3: dial XXX IS2 dial? XXX S3: yea XXX or you can call it knob XXX IS2: knob XXX S3: yea k n o b XXX IS2: k-XXX oh nobe ((pronounces vowel differently)) XXX kn- kno knob yea XXX S3: yea we usually call it a knob XXX IS2: normally you just call them knob,

XXX or-XXX S3: I mean I call them a (.2) XXX I don't even [know what I call them XXX IS2: [which one is more commonly used? XXX S3: normally used? (.1) I guess a dial would be more commonly used XXX XXX IS2: ok XXX thank you XXX ((pause for a long time while walking around)) 3:00 XXX S4: ((start again at 4:53, S4 turns to look at IS2 for help)) XXX IS2: hm? ((walks to S4)) XXX S4: um XXX how do I set up reflux in this part with the ((unclear)) XXX IS2: uh: XXX you need a: stir plate XXX uh: ((looks in cabinet)) XXX this one ((points in cabinet)) XXX S4: ok ((takes stir plate from cabinet)) XXX ((pause)) ((taking it out)) XXX IS2: and: uh XXX just put it in the bottom, ((directs into a machine)) XXX and uh: you need a here ((picks something up)) XXX XXX so you just connec-XXX so you just-XXX so for the stir bar XXX you just connect it into the outlet directly, XXX S4: [ok XXX IS2: [you don't need a variac, but- but for the hotplate you need a variac XXX XXX so which is uh: ((looks in cabinet)) XXX this one right ((takes something out)) ((pause)) ((arranging things)) XXX here ((found plug)) XXX IS2: XXX just connect here, XXX ((plugging into what IS2 is holding)) XXX and then XXX ((plugs something into the outlet)) XXX so: XXX ((pause)) ((S4 rustles around)) XXX XXX yea this is a condenser, 6:00 XXX and after you put all of them inside your (.)

XXX		uh
XXX		did you put the stir bar↑ inside?
XXX	S4:	<pre>tha:t is:= ((looking around))</pre>
XXX	IS2:	=yea
XXX		where is the smaller one?
XXX		yea=
XXX	S4:	=this?
XXX	IS2:	уеа
XXX		put it into the (.1)
XXX	S4:	into
XXX	IS2:	uh into the
XXX	S4:	here
XXX	IS2:	into rbf
XXX		so just (.) uh:
XXX		and uh also you need to fix the rbf
XXX		so:
XXX		probably right here
XXX		just fix the: you know rbf
XXX		right here
XXX	S4:	[mhm
XXX	IS2:	[right,
XXX		and put the (.) condenser on top,
XXX		so after you finish
XXX		I'm sorry°
XXX		after you finish this part,
XXX		((working on something hidden behind wall))
XXX		and uh:
XXX		so:
XXX		so you can control here,
XXX		for the: stir,
XXX		and uh:
XXX		control here for the heating.
XXX		<pre>don't (.1) ((picks something up))</pre>
XXX		уеа
XXX		that's it
	S4:	so this is going to control the stirring?
XXX		((pointing at something))
	IS2:	
XXX		and this here you can . control the (.) temperature
XXX		ok
	IS2:	yea
XXX		and uh:
XXX		you need two tubes
XXX		((S4 nods))
XXX		so for the: reflux

XXX so: XXX the: [top ones [the clear ones right? XXX S4: XXX IS2: >uh yea clear one yea< XXX S4: ok thank you XXX IS2: yup XXX ((IS2 walks away)) ((pause)) XXX ((walks and talks to S5 but I cannot hear her)) XXX XXX S5 ((unclear)) XXX S2: ((walks by, says something to S5, leaves)) XXX IS2: yup did you put a stopper? XXX XXX S5: no XXX but I was ((inaudible)) XXX IS2: yea just put a stopper first (.2) XXX just make sure you don't forget this ((walks off screen)) XXX ((pause)) XXX XXX IS2: yea ((talking off screen)) XXX S6: ok (.) he said it was pink XXX IS2: pink, XXX S6: yea XXX IS2: the color? XXX S6: yea: XXX IS2: wha:t is pink? XXX it's white XXX S6: ((laughs)) XXX IS2: did you see it's pink? XXX S6: ((laughs)) th- the (.) other TA said it was pink= XXX XXX IS2: =ok XXX doesn't matter XXX S6: ((laughing)) XXX IS2: just ((laugh)) did you get a stir bar? XXX XXX S6: no not yet XXX I will [get it right now XXX IS2: [alright you should get it right now= XXX XXX S6: [ok XXX IS2: [and the stir bar↑ and the hot plate XXX S6: yea XXX IS2: uh-huh XXX S6: thank you

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XXX IS2:
          ((pause))
XXX
          did you grease the condenser?
XXX S7:
         here?
XXX IS2: uh-huh=
XXX S7: =yea
XXX IS2: ok
XXX
         ((pause))
XXX S8:
         it's good right?
XXX IS2: (.1) yea
          you don't need to:
XXX
          you know
XXX
          let it very high,=
XXX
XXX S8:
         =yea
XXX IS2:
          and just (.) control (.2)
          yea it's fine
XXX
XXX
          just control (top),
XXX
          ((pause))
XXX
          yup
9:00
XXX
          ((pause))
XXX
          ((IS2 can be seen again on camera))
XXX S9:
          ((faint)) plug the stirrer directly into the wall
XXX
          right?
XXX IS2:
          what?
XXX
          sorry=
          =the stirrer,
XXX S9:
XXX
          can we- s-
XXX
          we can plus the stirrer directly into the wall
          right?=
XXX
XXX IS2:
          =yes
          but for the hot plate you need to con- [use (a variac)
XXX
XXX S9:
                                                 [(variac)
XXX
          yea
XXX IS2:
          yup
XXX
          ((walks away))
          ((pause))
XXX
          ((comes back on screen))
XXX
XXX S10:
          ((walks to IS2))
          ((unclear)) diethyl, (.)
XXX
          uh ((points somewhere off screen))
XXX
XXX IS2: we have no more?=
XXX S10:
         ((shakes head))
         in that one yea ((points off screen))
XXX
XXX IS2: di:
XXX S10: (ethyl)
```

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((both walk to the back))
XXX
           ((inaudible))
XXX
XXX
           ((reach back))
XXX
          dimethyl-
XXX
          diethyl,- ((correction of previous statement))
XXX IS2: how much (.) do you use?
XXX S10: we have to use seven point five
XXX IS2: seven point five
XXX S2
         ((walks over with another male student S11))
XXX
          ((unclear))
XXX IS2: where is the dimethyl=
XXX S2: =it's right there
          ((taps on glass))
XXX
XXX IS2: ok (.1)
XXX
          you want
XXX S2: what?
          no I was waiting for her to°
XXX
XXX
          ((pause)) ((starts mumbling to female next to her S12))
          ((taps IS2's mic))
XXX S11:
XXX
          ((IS2 smiles))
XXX
          you should be a movie star
XXX IS2:
          ((shakes head))
XXX
          no
XXX
          I'm not good at (.) you know
XXX
          acting
XXX S11: I think you could do it
XXX IS2: why?
XXX S11: why not?
     would you do it?=
XXX
XXX IS2: =do you like
XXX S11: if someone offered you a job as a movie star↑
XXX
          would you take it?
         or would you become=
XXX
XXX IS2: =sure
XXX S11:
          really?
XXX S2:
         ((laughs))
XXX IS2: just (.) give me high salary
          [you know°
XXX
XXX S11:
          [((laughs))
XXX S12:
          the next Jet ((walks away))
XXX S11:
          Jet ((chuckles)) (.3)
          the Jet of chemistry
XXX
INR IS2: what,
INR
          je- je-
XXX S11: Jet ?
```

XXX	have you heard of Jet ?
INR IS2:	no=
XXX S2:	=you've never heard of Jet ?
	what?
INR IS2:	
INR	who's=
XXX S11:	=he's= he's like Jackie Chan
INR IS2:	oh Jack- Jack
XXX S11:	Jet (.1)
XXX	Jet,
INR IS2:	
XXX S11:	уеа
INR IS2:	Jack
XXX S11:	
INR IS2:	[I think j a c k
XXX S11:	not [Jackie
INR IS2:	[j is
XXX S11:	hold on ((takes out phone))
INR IS2:	not j e t? ((looks at S10))
XXX S10	[уеа
INR S2:	[j e t it is j e t
XXX S10	Jet
XXX S11:	let me look it up for you
XXX	((searching phone))
INR IS2:	he's from China now right?
XXX S11:	I don't know
XXX	((pause, both looking at phone))
XXX	уеа
INR IS2:	jet,
XXX S11:	you've never seen him?
XXX IS2:	I don't think it's (.) Jet
XXX	I know I know him
XXX	oh it's Jet
XXX S11:	yea (.2)
XXX	he's a famous actor
XXX IS2:	yea it's even in Amer- in the United States?
XXX S11:	уеа
XXX IS2:	did you see (.) [his movies
XXX S11:	[yea I've seen his movies
XXX IS2:	ah
XXX S11:	but also Jackie Chan is very famous too
XXX IS2:	уеа
XXX S11:	Jackie Chan
XXX IS2:	Jackie Chan
XXX S2:	((talking to S10))

```
((unclear)) eight point five perfectly
XXX
XXX
          no cause it wasn't like
XXX
          it wasn't at like point five
          it was in like a weird ((unclear))
XXX
           ((S2, IS2, S11 walk away))
XXX
12:00
XXX
           ((IS2 continues walking, offscreen))
XXX S13:
          ((unclear))
XXX IS2: ok
XXX
          ok
XXX
          ((pause))
XXX IS2: did you fill them?
XXX S14: just a little bit
XXX IS2: ok yea just
XXX
          yea you can add them more if you want
XXX S14
         ((unclear))
XXX
          ((pause))
XXX IS2: how much do you need?=
XXX S14: seven point (five)
XXX IS2: seven point five
XXX
          oh ok (.2)
XXX
          yea I think it's enough
XXX
           ((pause))
XXX
          ((seen on camera walking and then disappears))
XXX S15:
          I don't know if it's (.) stirring or not,
XXX IS2: oh yea uh:
XXX S15: but I [see:-
XXX IS2:
                 [but you put it on right?
XXX S15: yea
XXX IS2: ok so-
XXX S15: but I don't see any like ((unclear)) =
XXX IS2: =yea it doesn't matter
XXX
          as long as it is [it it
XXX S15
                           [(but it's gonna) be [spinning
XXX IS2
                                                [clear
XXX S15: ok
XXX IS2: clear solution
XXX
          and the
XXX
         because the s-
XXX
          i-i-it
XXX
          because (.)
          after it heat for a while↑ then (.) the (.) it-
XXX
          the- the solid will dissolve,
XXX
XXX
          and you will see a clear solution,
XXX
          and then you will see whether it is
```

```
XXX
          [you know
          [so it's all stuck inside?
XXX S15:
XXX IS2: it just trapped in the solid=
XXX S15: =oh: [so after it dissolves ((unclear))
XXX IS2:
               [that's why you cannot see them
XXX
         yea
XXX
          just turn it (.) on,
XXX
          so:
XXX S15:
          ok (got it)
XXX
          ((pause))
          ((IS2 walks over on screen and watches S4))
XXX
XXX
          ((as IS2 is about to leave, S4 calls for help))
XXX S4:
XXX
          um:
XXX
          ((points behind wall))
XXX
          it's probably not stirring because it's stuck under the
XXX
          right?=
XXX IS2:
          =yea sure
XXX
          so af- so after (.) heating for: maybe five (.)
XXX
          f- ten minutes,
XXX
          so:
XXX
          the salt will dissolve
          and you will see
XXX
15:00
XXX
          a very clear solution,
          and then (.) the stir bar will stir
XXX
XXX S4:
         ((nods)) ok=
XXX
          =it's just trapped in the solid
XXX S4:
          ok
XXX
         got it
XXX IS2: yea
XXX
          ((walks away))
```