

ITFI – Laboratory Record Sheet

Team Code

Important Notes for Contestants

1. Contestants must **bring this sheet** when entering the laboratory.
2. To request reagents or instruments, please fill in the required reagents in the designated area and **hand this sheet to a staff**.
3. Contestants are **prohibited** from writing on this sheet, **except** in the designated blue-background areas: ***Reagent Requests, Instrument Requests, and Raw Data Recording***. These fields must be filled in only **in the laboratory**. Data filled outside the lab will be considered invalid and subject to investigation.
4. The **original copy** of this *Sheet* must be submitted to the staff on lab exit. Contestants may make a copy (e.g., by photographing or transcribing) before submission, in order to preserve experimental data for later analysis and report preparation. Such copies are for internal reference only and are not officially recognized.

List of Reagents Provided by the Laboratory (Reagent specifications are detailed in *ITFI Laboratory Work References*)

Strictly Controlled	Controlled	Non-Controlled
BaCl ₂ , HNO ₃ (2M), H ₂ SO ₄ (6M), KSCN, NH ₃ ·H ₂ O, NH ₃ buffer, Na ₂ SO ₃ , Zn, C ₂ H ₅ OH	C (activated carbon), FeCl ₃ , HCl (2M), HNO ₃ , H ₂ SO ₄ (2M), KH ₂ PO ₄ , KOH (2M), (NH ₄) ₂ MoO ₄ , NaOH (2M), Na ₂ S ₂ O ₃ , Na ₂ SO ₄ , TEA, AP, EDTA, EBT, EDTA (0.1 M), BCG-MR	HCl, H ₂ SO ₄ , H ₂ C ₂ O ₄ , KMnO ₄ , KOH, NaHCO ₃ , NaOH, Na ₂ CO ₃ , ZnO, MQ, PP

August 1

Contestants: (head),

Entry Time: _____ : _____

Signature of Staff upon **Lab Entry**:

Reagent Requests

Contestants must write the reagents they need in this space. Example: $\text{C}_2\text{H}_5\text{OH}$

If you make a mistake, please cross it out with a strikethrough. Example: ~~C₂H₅OH~~

Instrument Requests

Code × *Quantity* *Code* × *Quantity*

e.g., $I-40 \times I$ e.g., $I-40 \times I$

If you make a mistake, please cross it out with a sharp pen. Example:					

Staff Marking: Approved / ~~Denied~~ / Returned / Damaged / Compensated

Exit Time: _____ :

Signature of Staff upon **Lab Exit**:

Temporary Absence

Contestant	Time	Staff's signature	Contestant	Time	Staff's signature
	—			—	
	—			—	
	—			—	

Raw Data Recording

*Contestants must use a non-erasable black pen to record raw data in this area.
To correct data, use a single strikethrough line. Do not black out or use erasers.*

Emergency Procedure

1. Small fire

Cover with wet cloth.
Immediately **tell staff**
(= person in blue coat).

2. Burn (chemical/fire/hot, no exceptions)

Immediately **wash skin**
with lots of tap water.
Immediately **tell staff**
(= person in blue coat).
Keep washing until staff
tells you to stop.
Do not wipe with cloth.

3. Chemical in eyes (no exceptions)

Immediately **wash eyes**
with eye washer.
Immediately **tell staff**
(= person in blue coat).
Keep washing until staff
tells you to stop.

4. Chemical in mouth (no exceptions)

If not yet swallowed, **spit**
it out now.
Immediately **rinse mouth**
(= gargle) with tap water.
Immediately **tell staff**
(= person in blue coat).
Do not do other first aid.
Do not try to vomit.

5. Bad smell gas or unknown white precipitate (= solid in liquid)

Move the *apparatus*
(= tool) close to the
ventilation (= air outlet).
Immediately **tell staff**
(= person in blue coat).

6. Broken glass

Avoid cuts: do not touch
sharp parts.
Immediately **tell staff**
(= person in blue coat).