

Checklist for tRAT Assessment

Team-Based Learning (TBL)

Discipline: Histology

Topic: Tissues and Organs

Assessment Type: Individual Readiness Assurance Test (tRAT)

Student Information

Name: Kubanychev Iryy Isel

Group: GM2 - 16 group

Date: 20.12.2025

1. Team Participation and Engagement

Item	Yes	No
All team members actively participated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Discussion was respectful and inclusive	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Answers were justified using histological evidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Team reached consensus before submission	<input type="checkbox"/>	<input checked="" type="checkbox"/>

2. Team Knowledge Integration (Histology)

Item	Yes	No
Correct integration of tissue classification	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accurate discussion of microscopic structure	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct identification of cellular components	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper use of histological terminology	<input checked="" type="checkbox"/>	<input type="checkbox"/>
No critical histological errors remained	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3. Structure-Function Correlation

Item	Yes	No
Team correctly linked structure to function	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Functional significance of tissues discussed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Normal histology distinguished from pathology	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4. Team Communication Skills

Item	Yes	No
Clear explanations among team members	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Correct use of histological vocabulary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Constructive discussion and disagreement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shared understanding of final answers	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5. Professional and Ethical Behavior

Item	Yes	No
Team followed tRAT rules	<input checked="" type="checkbox"/>	<input type="checkbox"/>
No unauthorized materials used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Academic integrity maintained	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Professional conduct demonstrated	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Summary

- Checklist completed: ☒ Yes ☐ No
➤ Student ready for tRAT: ☒ Yes ☐ Needs support

Instructor comments (optional):

Instructor signature: _____



Checklist for iRAT Assessment

Team-Based Learning (TBL)

Discipline: Histology

Topic: Tissues and Organs (General Histology)

Assessment Type: Team Readiness Assurance Test (iRAT)

Team Information

Team name / number: _____

Date: 20.12.2025

Instructor: Kubanychbek kyzy Asel

1. Pre-class Preparation

Item	Yes	No
Student completed assigned histology materials	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Student demonstrates familiarity with basic tissue types	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Student understands histological structure–function relationships	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Student recognizes key microscopic features	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Student prepared independently	<input checked="" type="checkbox"/>	<input type="checkbox"/>

2. Knowledge Accuracy (iRAT Performance)

Item	Yes	No
Correct identification of epithelial tissues	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct identification of connective tissues	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct identification of muscle tissue types	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct identification of nervous tissue	<input checked="" type="checkbox"/>	<input type="checkbox"/>
No critical histological misconceptions observed	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3. Conceptual Understanding

Item	Yes	No
Understands differences between simple and	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Summary Evaluation

- tRAT checklist completed: ☒ Yes ☐ No
- Team performance: ☒ Excellent ☐ Satisfactory ☐ Needs improvement
- Team ready for application exercises: ☒ Yes ☐ Needs guidance

Instructor comments

(optional): _____

Instructor signature: 

Item	Yes	No
stratified epithelia		
Understands structure–function correlation in tissues	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Recognizes cellular and extracellular components	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Understands histological basis of organ function	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4. Microscopic Analysis Skills

Item	Yes	No
Correctly interprets light microscopy images	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Identifies cells, fibers, and matrix components	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Distinguishes normal histological structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Demonstrates readiness for team discussion (tRAT)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5. Professional Responsibility

Item	Yes	No
Attended session on time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Completed iRAT independently	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Followed assessment rules	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Demonstrated academic honesty	<input checked="" type="checkbox"/>	<input type="checkbox"/>