

This document has been prepared and approved by members of the EBAA Exam Committee. It is intended to be used as a guide for candidates taking the Certified Eye Bank Technician Exam. The information contained in this document follows the format of the current exam content outline and is designed to highlight resources that may be used to study for the exam.

Gene	eral study resources include, but are not limited to:
J	EBAA Medical Standards  o Including appendices and glossary of terms
	o The current edition is available at <a href="https://www.restoresight.org">www.restoresight.org</a> .
J	EBAA Technical Procedures Manual
	o Including glossary of terms
	<ul> <li>The current edition is available at <u>www.restoresight.org</u>.</li> </ul>
)	Food and Drug Administration CFR 1271
	<ul> <li>FDA Final Guidance for Industry: Current Good Tissue Practice (cGTP)</li> </ul>
	o FDA Final Guidance for Industry: Eligibility Determination for Donors of HCT/Ps
J J J	Introduction to Eye Banking, A Handbook and Atlas, Rosenwasser and Nicholson Corneal Surgery and Technique, Brightbill, McDonnell, McGhee, Farjo, Serdarevic Berry and Kohn's Operating Room Technique, Phillips
Study	y Tips:
] ]]	When an EBAA Medical Standard (MS) and/or Procedure Manual (PM) section is referenced as '1.000', the entire section should be reviewed, as opposed to a specific sub-section. The MS and PM includes additional references for each section, which are good study resources. Use <u>Tabers Medical Dictionary</u> or an online resource to look up any unfamiliar words. Don't study from your eye bank's SOPs. Use original sources for practice such as CFRs or EBAA Medical Standards, or any source that is referenced, i.e. <u>Berry and Kohn's OR Technique</u> .

General Ophthalmology, Vaughn and Asbury, Lange Medical
General Ophthalmology, Vaughn and Asbury, Lange Medical
Publications, Los Altos, CA. Parts of the Eye, and Optics and Refraction  2. Ophthalmic Assistant: A Guide to Ophthalmic Medical Personnel, Stein, Stein and Slatt, Anatomy  3. Smolin and Thoft's The Cornea, Smolin, Gilbert and Thoft, Richard
4. <u>Clinical Slit Lamp Biomicroscopy and Photo Slit Lamp Biomicrography</u> , Martonyi, Bahn and Meyer, Time One Ink 5. <u>Cornea Atlas</u> , Krachmer and Palay. Elsiver Mosby: Normal Anatomy 6. <u>Ocular Surface Disease: Medical and Surgical Management</u> , Holland and Mannis. Springer Verlag, New York. Anatomy and Physiology of the Ocular Surface. 7. internet searches, including images
definition, how refraction works, structures involved
myopia, hyeropia, presbyopia, astigmatism
theories, effects of age
study function, relative location, thickness, etc.
Stady reflection, relative rotation, tilletiness, etc.

**Exam Outline** 

Study References
EBAA MS: B1.000
EBAA PM: B1.000
EBAA MS: C2.000
EBAA PM: C2.000
EBAA MS: C1.000
EBAA PM: C2.000
EBAA MS: C1.400
EBAA PM: B1.000
Study source documents, as applicable
Study source documents, as applicable
EDAA MC, C2 200
EBAA MS: C3.300
EBAA PM: C3.300
FDA 21 CFR 1271.210
g EBAA MS: EBAA MS: C3.200
EBAA PM: C3.100
FDA 21 CFR 1271.200, 1271.260
EBAA MS: C3.000, C3.300
EBAA PM: C3.200
ANSI/AAMI Standard 79:2010/A2:2011
,
EDAA MS: C1 000
EBAA MS: G1.000 EBAA PM Guidance Document: Implementation Guidance
Document, Donor Risk Assessment Interview Forms
EBAA PM Guidance Document: Effective Quality Assurance of the
Donor Risk Assessment Interview
Donor Misk Assessment interview
Gram nositive/negative hacteria
Gram positive/negative bacteria
EBAA PM: C3.200, G1.210
FDAA A4C C2 200 D4 200 14 000 144 000
EBAA MS: C3.200, D1.300, L1.000, M1.000
EBAA PM: M1.050
FDA 21 CFR: 1271.55, 1271.90, 1271.270
EBAA MS: G1.000, M1.400, M1.500
EBAA PM: M1.550
EBAA PM Guidance Document - Guidance Document for
Investigating and Reporting Adverse Reactions to the EBAA
FDA 21 CFR 1271.350
FRΔΔ MS: F1 300, G1 300
EBAA MS: E1.300, G1.300
EBAA PM: G1.300
EBAA PM: G1.300 FDA 21 CFR 1271.440
EBAA PM: G1.300

**Exam Outline** 

Exam Outline	Study References
III. Donor-related Issues (20%)	
A. Authorization	
i. Required Request Law (42 U.S.C.A. §	
1320b-8)	
ii. Uniform Anatomical Gift Act	www.uniformlaws.org
iii. Authorization procedures and	EBAA MS: D1.400
documentation	EBAA PM: D1.300
B. Donor history, screening, and evaluation	
i. Donor Risk Assessment Interview (DRAI)	EBAA MS: Appendix III
	EBAA PM Guidance Document: Implementation Guidance
	Document, Donor Risk Assessment Interview Forms
	EBAA PM Guidance Document: Effective Quality Assurance of the
	Donor Risk Assessment Interview
	FDA 21 CFR 1271.3, 1274.47, 1271.75
ii. Serology testing	
Blood sample qualification	EBAA MS: D1.200, Appendix IV
	FDA 21 CFR 1271.3, 1271.80, 1271.85
2. EBAA required tests	EBAA MS: D1.200, Appendix I, IV
2. 25/ Wilequired tests	EBAA PM: G1.200
3. FDA required tests	EBAA MS: D1.220
3. I DA Tequileu lesis	
	FDA 21 CFR 1271.3, 1271.80, 1271.85
iii. Determination of donor eligibility for transplant	
1. EBAA contraindications	EBAA MS: D1.100
2. FDA contraindications	EBAA MS: D1.000, Appendix I, II, III
	EBAA PM: Guidance Document: Effective Quality Assurance of the
	Donor Risk Assessment Interview
	FDA 21 CFR 1271.50, 1271.75
3. Known transmissable disease	
a. Rabies	
b. Infection	
c. Hepatitis B	
d. Melanoma	
e. Transmissible Spongiform	
F. Other	
IV. Technical Procedures (24%)	
A. Preparatory Procedures	
i. Donor	
1. Blood drawing procedures	EBAA PM: E1.140
2. Physical Inspection	EBAA MS: E1.100
	EBAA PM: E1.110
3. Ocular area prep	EBAA MS: E1.100
	EBAA PM: E1.110
4. Sterile field setup	EBAA PM: E1.110
ii. Open-container processing	
	EBAA MS: E1.200
1. Laminar flow hood vs. 'clean' room	EBAA PM: E1.000, E1.200
2. Sterile field setup	EBAA PM: E1.200, E1.224
B. Whole eye enucleation	
i. Equipment, supplies, and reagents	FRAA MS: E1 100 E1 210
, , , , , , , , , , , , , , , , , , , ,	EBAA MS: E1.100, E1.210
ii Drocodere	EBAA PM: E1.120
ii. Procedure	EBAA MS: E1.210
	EBAA PM: E1.120

**Exam Outline** 

LAGIII Outilile	Study References
C. Corneal excisions	
i. Equipment, supplies, and reagents	EBAA MS: E1.100, E1.300
	EBAA PM: E1.110, E1.130
1. Flow hood excision	EBAA MS: E1.200
	EBAA PM: E1.221
2. In-situ excision	EBAA MS: E1.100
	EBAA PM: E1.130
ii. Procedure	EBAA MS: E1.220, E1.221
ii. i roccadic	EBAA PM: E1.130, E1.221
1. Flow hood excision	
2. In-situ excision	
D. Scleral preservation	+
i. Equipment, supplies, and reagents	EBAA MS: E1.230
i. Equipment, supplies, and reagents	EBAA PM: E1.230
ii. Procedure	EBAA MS: E1.230
II. Procedure	
F There was a section	EBAA PM: E1.231
E. Tissue processing	5044446 54 200 54 200 54 400
i. Equipment, supplies, and reagents	EBAA MS: E1.200, E1.222, E1.400
	EBAA PM: E1.222
ii. Procedure	EBAA MS: E1.222, E1.223
	EBAA PM: E1.000
V. Tissue-related Procedures (20%)	
A. Tissue evaluation and determination of	
suitability	1. Introduction to Eye Banking, A Handbook and Atlas,
	Rosenwasser and Nicholson
	2. Current and New Technologies in Corneal Donor Tissue
	Evaluations: Comparative Image Atlas, Cornea 2018; S1- S36, 37
	https://journals.lww.com/corneajrnl/toc/2018/06001
i. Slit lamp biomicroscopy	FDAA MC, F1 100 F1 200
, , , ,	EBAA MS: F1.100, F1.300
4.5	EBAA PM: F1.100, F1.200
1. Procedure	
2. Surgical suitability	FDAA MC F4 200
ii. Specular microscopy	EBAA MS: F1.200
	EBAA PM: F1.300
1. Procedure	
2. Suitability	
B. Surgical procedures	
	1. YouTube is a great resource for surgical videos. Search for the
	surgical procedure preceded by 'cornea'
	2. Understand the relationship between tissue surgical suitability
	and pre-operative diagnoses
	3. Frederick Brightbill's Corneal Surgery and Technique
i. Penetrating keratoplasty	3. Frederick Brightoni 3
ii. Lamellar keratoplasty	
1. Anterior	
2. Posterior	
iii. Patch graft	
iv. Refractive keratoplasty	
v. Trabeculectomy	
vi. Sclera use	
vii. Keratolimbal allograft	
viii. Other	
<u></u>	<u> </u>

### **Exam Outline**

Study References
EBAA MS: I1.000
EBAA PM: I1.000
FDA CFR 1271.260
EBAA MS: J1.000
EBAA PM: J1.000
EBAA PM Guidance Document: Implementation Guide, Use of
ISBT128 in North American Eye Banks
ISBT 128 ICCBBA ST-002
FDA 21 CFR 1271.250, 1271.370
EBAA PM Guidance Document: Implementation Guide, Use of
ISBT128 in North American Eye Banks
ISBT 128 ICCBBA ST-002
EBAA MS: L2.000
EBAA PM: L2.000
FDA 21 CFR 1271.265
EBAA MS: L1.000, Appendix III
EBAA PM: L1.000
FDA 21 CFR 1271.55, 1271.370
EBAA MS: K1.000
EBAA PM: K1.000
FDA CFR 1271.265
EBAA MS: H1.000
EBAA PM: H1.000
FDA CFR 1271.65