

**KAISER MEDICAL CARE PROGRAM
ORANGE COUNTY AREA
POLICIES AND PROCEDURES**

TITLE:	CLINICAL LABORATORY P& P MANUAL	INDEX NO:	07-255-01
SECTION:	SPECIMEN PROCESSING	ORGIN DATE:	9/2016
SUBJECT:	COLLECTION AND PROCESSING OF AUTOLOGOUS TEARS		Rev 10/2017

POLICY Autologous Serum Eye Drops, (ASED) may only be ordered by corneal surgeon ophthalmologist sub-specialists. This procedure defines the system for collection, processing and tracking of autologous serum samples for autologous tear preparation by a compounding pharmacy.

PURPOSE The use of ASED is an effective ophthalmologic moisturizing treatment for clinical conditions affecting the ocular surface when other treatment options prove ineffective. The product has biochemical properties similar to normal tears. They contain components such as albumin, fibronectin, Vitamin A, and growth factors that have an epitheliotropic effect on the ocular surface epithelial cells.

SAFETY All specimens should be handled as though capable of transmitting infectious diseases. Wear appropriate personal protective equipment when handling patient samples. Refer to Laboratory Safety Policy and Procedure Manual Infection Control Section.

PROCEDURE SPECIMEN COLLECTION:

1. Laboratory orders for autologous tears are ordered in Health Connect, **AUTOLOGOUS SERUM EYEDROPS [227397]**. Avella/Kaiser Patient Specific Order Form must be completed by physician or designee.
2. Specimen collection for autologous tear specimens is only performed at KM2 and ASN.
3. Specimens are collected Monday-Friday from 7:30 am to 12:00 pm.
4. Specimens must sit for 2-6 hours prior to centrifuge. This allows for complete coagulation and clot retraction.
5. Follow specimen collection procedure for Blood Culture. Refer to Specimen Collection 07-075 Blood Cultures P&P. Use 1.5 Frepp Chlorhexidine to cleanse the collection site. Collect 6 GLD6 specimen tubes from patient, avoiding hemolysis.
6. Use 6 SST gel specimen tubes (plastic) to collect blood from patient, avoiding hemolysis.
7. All tubes must be full.
8. Send specimens with Avella/Kaiser Patient Specific Order Form **and** SCPMG Lab Billing Form in a biohazard bag to main laboratory through pneumatic tube system for processing at the medical center laboratory.

SPECIMEN PROCESSING:

1. Upon specimen receipt in hospital laboratory, verify test requested and patient identification labels against Avella Specialty Pharmacy order form.
2. Allow specimens to fully clot for **2-6 hours** before centrifuging.
3. Centrifuge specimen tubes for 15-20 minutes at 3000 RPM in the large centrifuge.
4. Freeze immediately. Do not open tubes or aliquot.

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SPECIMEN SEND OUT

1. Frozen specimens are sent overnight on dry ice to Avella Specialty Pharmacy for processing into Autologous Serum Eye Drops. Use enough dry ice to cover all specimen tubes.
2. Specimens can only be **shipped Monday through Thursday**.
3. Avella does not receive specimens on Saturdays. **DO NOT ship on Fridays**.
4. Log specimen in the Outside Lab log.
5. Package frozen specimens for overnight shipment with order and billing form to:

Avella Specialty Pharmacy
23620 N 20th Dr., Ste 12
Phoenix, AZ 85085-0621
877-546-5779

6. Charge to Ophthalmology:

- 0806.____.1863.76372 _____ MD Location
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REFERENCE Autologous Serum Eye Drops Ophthalmology Kaiser Northern California Clinic Protocol

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Document History Page

Change type: New, Major, Minor etc.	Changes Made to SOP – describe	Signature responsible person/date	Med. Dir. Reviewed/ Date	Lab Manager reviewed/ date	Date change Imp.
NEW	Written policy to match current practice				

Imp. =Implemented