

Question

[Ewan Whyte](#) · Feb 21, 2018

HL7 segment query using SQL

I'm trying to get a count of specific message type with a specific entry and thought I could build the query in Message Viewer but this does not provide counts (as far as I am aware). So when I take the SQL from 'Show Query' it omits the segment criteria as the code shows below.

I have attached the criteria that has been excluded. Is this possible?



Thank you

```
SELECT head.ID AS ID,
       {fn RIGHT(%EXTERNAL(head.TimeCreated),12)} AS TimeCreated,
       head.SessionId AS SESSION,
       head.Status AS Status,
       COUNT (*) AS messages,
       CASE head.IsError
         WHEN 1 THEN 'Error'
         ELSE 'OK'
       END AS Error,
       head.SourceConfigName AS SOURCE,
       head.TargetConfigName AS Target,
       head.SourceConfigName,
       head.TargetConfigName,
       head.MessageBodyClassName AS BodyClassname,
       head.MessageBodyId AS BodyId,
       EnsLib_HL7.Message.%ID AS Body_ID,
       NULL AS Body_OBR_SpecimenSource_specimensourcenamcode_identifier
FROM Ens.MessageHeader head,
     EnsLib_HL7.Message
WHERE head.TargetConfigName = 'ReviewOrders Router'
      AND head.%ID >= 189143244
      AND head.%ID <= 189589516
      AND (((head.SourceConfigName = 'Review Pathology Inbound'
            OR head.TargetConfigName = 'Review Pathology Inbound'))
          AND head.MessageBodyClassName='EnsLib.HL7.Message'
          AND head.MessageBodyId=EnsLib_HL7.Message.%ID)
ORDER BY head.ID DESC
```



Search Criteria

Search Criteria
Create and edit advanced message search criteria

Enable Criterion Criterion Type VDoc Segment Field Class EnsLib.HL7.Message

Conditions  

IF Segment Type MosaiqPathologyIn_2.3:OBF
Field Name SpecimenSource.specimens = B

Display Values  

[#HL7](#) [#Message Search](#) [#SQL](#) [#Ensemble](#)

Source URL: <https://community.intersystems.com/post/hl7-segment-query-using-sql>