Datamodel for HCS in OME

ScreenAcquisition (G)
- Screen (reference)
- StartTime (timestamp)
- EndTime (timestamp)
- ReferenceImage (reference)

Screen (G)
- Name (string)
- Description (string)
- Type (string enum)
- ProtocolIdentifier (string)
- ProtocolDescription (string)
- RegentIdentifier (string)
- ReagentDescription (string)

WellImage (I)
- image (reference)
- Well (reference)
- ScreenAcquisition (reference)
- Index (integer)
- PosX (integer)
- PosY (integer)
- PosZ (integer)
- Time (timestamp)

ScreenImage (I)
- image (reference)
- Screen (reference)

ScreenPlate (G)
- Screen (reference)
- Plate (reference)

Image (G)

Plate (G)
- Name (string)
- Description (string)
- ExternalIdentifier (string)
- ExternalDescription (string)
- Status (string enum)

Well (G)
- Plate (reference)
- Type (string enum)
- Row (integer)
- Column (integer)

PlateImage (I)
- image (reference)
- Plate (reference)

PlateDataset (D)
- dataset (reference)
- Plate (reference)

WellReagent (G)
- Well (reference)
- Reagent (reference)
- Volume (float)
- Concentration (float)
- Time (timestamp)

Reagent (G)
- Name (string)
- Description (string)
- ExternalID (string)
- ExternalDescription (string)

Dataset (G)

Legend:
G, D, I: Global, Dataset, or Image Attributes