



MOMO

Comprehensive Tool for Analyzing, Monitoring, and Reporting Pathogens and Antimicrobial Resistances

MOMO (Monitoring of Microorganisms) is a comprehensive analytics tool intended to address the issues of modern microbiology and epidemiology. It provides clear, reliable information on the occurrence of pathogens in all areas of your hospital. Since modern medicine relies on the availability of effective antimicrobial agents while there is a worldwide increase in antimicrobial resistance and even multidrug resistant bacteria (e.g., MRSA, VRE, 2,3,4 MRGN, MDR-TB), having a clear picture of the microorganisms present in your hospital as well as an overview on their distribution and AMR situation has become crucial.

MOMO provides all the information on pathogen occurrence, frequency distribution, and resistance situation in one place. MOMO conveniently imports the relevant information from the connected laboratory information system and makes it immediately available for use in multiple ways.

MULTIPLE PURPOSES



MICROBIOLOGY *Get comprehensive analyses of the test reports produced in your laboratory including all microorganisms and AMR patterns. Create detailed customized reports.*



DEPARTMENTS *Be aware of all pathogens and resistances present in your ward. Have a clear overview and choose the best empirical treatment options before the microbiology report has arrived.*



HOSPITAL HYGIENE *Have the complete overview of all departments. Monitor trends and developments. Create reports based on your selected criteria.*



HOSPITAL ADMINISTRATION *Use MOMO for your official and mandatory AMR reports. Customize the user-defined reports and conveniently save, reuse, or adjust them to your liking.*



RESEARCH *Pathogen and AMR research profit from MOMOs data output. Use it to get specific information on location, distribution, trends, differences. Consult various data sources and time periods.*



PATIENT SAFETY *Patients benefit greatly from having their microbiology results and drug resistance situation provided to their physician in a clear and accessible manner.*

MOMO

ALL THE INFORMATION IN ONE PLACE

FlexScan

PATHOGEN OCCURRENCE

Spektrum

FREQUENCY DISTRIBUTION

Resistance

AMR SITUATION

FlexScan

Name: E.coli_MRGN

Hier können Sie Ihre Abfrage zusammenstellen. Vergeben Sie einen Namen für die Abfrage und wählen Sie anschließend die gewünschten Parameter und Operatoren mittels Drag & Drop aus. Neue Parameter müssen auf bereits vorhandene Operatoren abgelegt werden. Spezifizieren Sie die ausgewählten Parameter durch Doppelklicken. Suchen Sie nach Parametern über die Suchfunktion.

Suche ...

Verfügbare Parameter: Abnahmezeit, Station, Einsender, Erreger, Erreger gewachsen?, Material, Nachname (Patient), Vorname (Patient), Beginn des Krankenhausaufenthalts

Operatoren: UND, ODER, NICHT

Abfrage-Definition:

- UND Material
- Abnahmezeit: 01-01-2015 - 31-12-2015
- Erreger: Escherichia coli 3 MRGN, Esch...

1 ABRFRAGE (Abbrechen) 2 SPALTENAUSWAHL (optional) (Weiter) 3 BEREINIGUNG (optional) (Speichern, Start)

FLEXSCAN

Define routine and individual queries on bacteria and fungi using *FlexScan*. These queries are highly customizable. Search for specific pathogens, departments, sample types, or request data on user-defined groups—the results will answer all the questions you have in mind.

FlexScan

Name: E.coli_MRGN

Hier können Sie auswählen, welche Spalten in der Ergebnistabelle angezeigt werden. Das Antibiogramm zu Ihrer Abfrage wird immer angezeigt. Sollten Sie hier keine Auswahl treffen, werden Ihnen in der Ergebnistabelle alle Spalten angezeigt.

Suche ...

ABFRAGE: Abnahmezeit, Anforderungserfassung, Abnahmedatum, Anforderungszeit, Anforderungsdatum, Laboreingangszeit, Laboreingangsdatum, Einsendegrund, Dringlichkeit, Grundleiden, Auslandsaufenthalt, Chemotherapie

SPALTENAUSWAHL (optional): Geburtsdatum, Abnahmezeit, Material, Erreger

1 ABRFRAGE (Abbrechen) 2 SPALTENAUSWAHL (optional) (Zurück, Weiter) 3 BEREINIGUNG (optional) (Speichern, Start)

Choose which parameters you want to see in your report and put them in an order you find useful (optional). MOMO uses all the necessary procedures to remove copy strains. Adjust these methods as you wish (optional).

MOMO FlexScan Spektrum Verwaltung Hilfe Logout

Aufgaben: FlexScan Hygiene 2 (100% fertiggestellt), FlexScan Meine Vorlage (100% fertiggestellt), FlexScan Material 05.06.2016 (100% fertiggestellt), FlexScan Staphylokokkus aureus (100% fertiggestellt), FlexScan E.coli_MRGN (100% fertiggestellt)

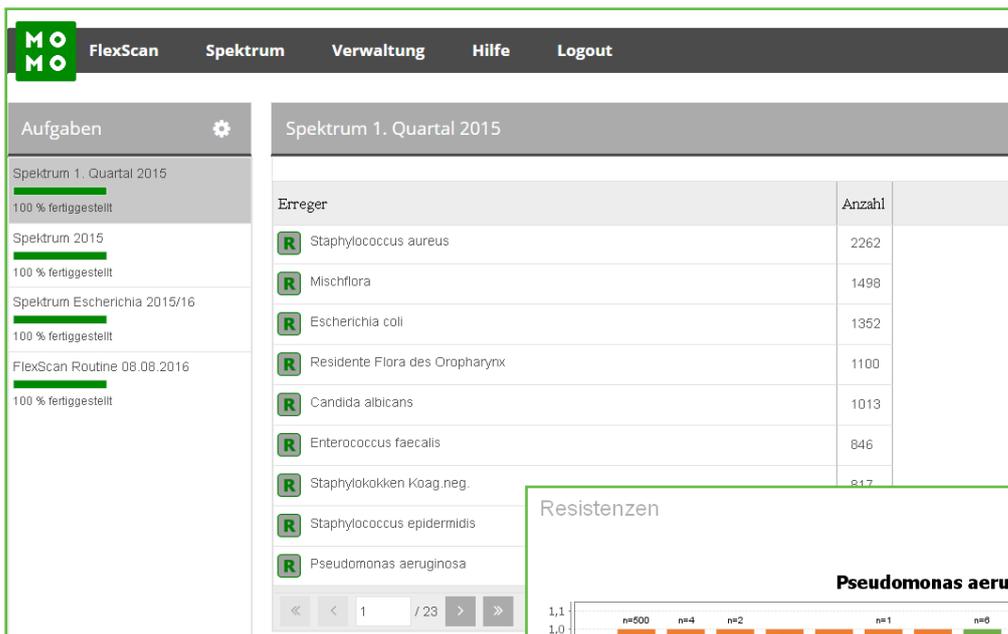
FlexScan E.coli_MRGN

Gesamtanzahl gefundener Ergebnisse: 98

Geburtsdatum	Abnahmezeit	Material	Erreger	Amikacin	Amoxicillin/Clavulansäure	Ampicillin	Aztreonam	Cefalexin	Cefepim	Cefotaxim	Cefoxitin	Cefuroxim	Cipi
1940-12-17	2015-01-19 14:00:00	Abstrich	Escherichia coli 3 MRGN	S	R	R	I		I	R		R	R
1943-05-28	2015-01-12 00:00:00	Mittelstrahlharn	Escherichia coli 3 MRGN	S	S	R	R	R	R	R	S	R	R
1943-05-28	2015-01-15 00:00:00	Endozervikalabstrich	Escherichia coli 3 MRGN	S						R			R
1979-06-23	2015-01-19 10:00:00	Mittelstrahlharn	Escherichia coli 3 MRGN	S	R	R	R	R	S	R		R	R
1964-06-28	2015-01-02 20:00:00	Blut	Escherichia coli 3 MRGN	S	R	R	R		S	R		R	R
1964-06-28	2015-01-03 11:09:05	Nativharn	Escherichia coli 3 MRGN	S	S	R	R	R	R	R		R	R
1964-06-28	2015-01-21 00:00:00	Blut	Escherichia coli 3 MRGN	S	R	R	R		R	R	S	R	R
1964-06-28	2015-01-21 00:00:00	Blut	Escherichia coli 3 MRGN	S									
1964-06-28	2015-01-21 00:00:00	Mittelstrahlharn	Escherichia coli 3 MRGN	S		R	R	R	R	R			
1964-06-28	2015-02-18 08:00:00	Blut	Escherichia coli 3 MRGN	I	R	R	R		R	R		R	R
1964-06-28	2015-02-18 08:00:00	Nativharn	Escherichia coli 3 MRGN	S	R	R	R	R	R	R		R	R
1938-03-19	2015-01-05 18:00:00	Bronchialsekret	Escherichia coli 3 MRGN	S	R	R	I		I	R	S	R	R
1938-03-19	2015-01-07 01:00:00	Bronchialsekret	Escherichia coli 3 MRGN	S	R	R	R		S	R		R	R
1938-03-19	2015-01-08 00:00:00	BAL-Flüssigkeit	Escherichia coli 3 MRGN	S	R	R	R		S	R		R	R
1938-03-19	2015-01-11 15:00:00	Bronchialsekret	Escherichia coli 3 MRGN	S		R	R		S	R		R	R

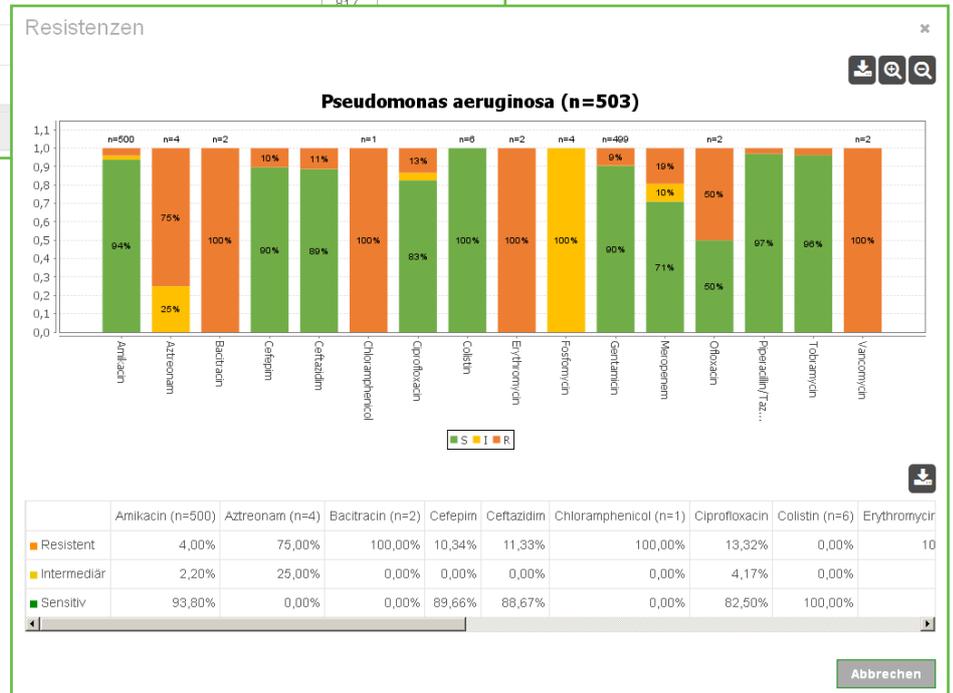
SPECTRUM

Spectrum analyzes the microbiological data statistically and provides frequency distributions based on your selected criteria; for example: How often was this pathogen present in my ward last month? Choose between two configuration options: Use and adjust an existing *FlexScan* or define a new query. Additionally, there is a shortcut button for a quick *Spectrum* available with every *FlexScan* result.



Get the complete
antibiogram for each
pathogen by clicking in
your Spectrum result

Graphically displayed antimicrobial
resistance pattern for
each pathogen



RESISTANCE

With just one click, MOMO displays the relevant resistance graph for every found pathogen. The antimicrobial resistance information is based on the S-I-R model and coded in three colors. Differences in the number of tests for individual antimicrobial agents are explicitly indicated.

FEATURES

MOMO's components are carefully coordinated and work together as an allround-tool for defining queries on occurrence and frequency of pathogens, creating customized pathogen spectra, and examining these pathogens' AMR patterns. For day-to-day use or solving rare problems—the software is fit for every objective. Customize the user-defined reports and conveniently save, reuse, or adjust them to your liking. (Re-)name queries, templates, and reports as you wish for quick retrieval.

MOMO allows data import from one or more microbiological data sources (current and/or historical data). Thesauri can be either provided by the hospital or by Medexter. MOMO requires thesauri for pathogens, antimicrobial agents, sample types, and departments. We also offer building a new pathogen thesaurus for your hospital from the ground up and/or thesauri maintenance.

AURES AND TESSy

You want to participate in national (e.g., the yearly official Austrian Resistance Report *AURES*) or international (e.g., The European Surveillance System *TESSy*) benchmarking networks? Discuss with us the regular, time- and cost-saving electronic data export to the requesting reference centers and ECDC, Stockholm.

KEY BENEFITS

- ANALYTICS TOOL
- CUSTOMIZABLE QUERIES
- FREQUENCIES AND TRENDS
- SAVE, ADJUST, REUSE
- PREVENTS HARM
- OPTIMIZES THERAPY
- SAVES TIME AND COSTS

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